

ABSTRACT OF THE DISCLOSURE

[Method of reproducing audio sound with ultrasonic loudspeakers]

[The invention concerns a] A method of reproducing audio sound with ultrasonic loudspeakers and a design of the ultrasonic loudspeakers and use thereof[.] is disclosed. [A] The method and related apparatus, is for reproducing audio sound by means of an ultrasound-producing device, wherein the audio signal to be reproduced is linked by side band amplitude modulation to a carrier signal in the ultrasonic frequency range, wherein there are provided [means] elements for subjecting the modulated ultrasonic signal to dynamic error compensation and the compensated ultrasonic signal is possibly subjected to frequency characteristic [linearisation]linearization and is then passed to an ultrasonic transducer (loudspeaker), wherein there are provided [means] elements for reducing the amplitude of the ultrasonic carrier signal (carrier reduction).

[(Figure 1)]